

19980315.qrp v01_n030.qrs.980315

Date: Sun, 15 Mar 1998 19:03:10 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1030

QRP-L Digest 1030

Topics covered in this issue include:

- 1) [6037] ARRL 160-Meter Contest - QRP
by wd3p@juno.com (Larry Cahoon)
- 2) [6038] Info on AEA KT-1 keyer?
by "C. Leung" <cleung@cln.etc.bc.ca>
- 3) [6039] Re: Elmer 101 PostScript Printing on the Mac
by "John J. McDonough" <jjmcd@mdn.net>
- 4) [6040] QRP from W1AW
by Joseph Everhart <n2cx@voicenet.com>
- 5) [6041] Re: Elmer 101 PostScript Printing on the Mac
by Laura Halliday <ve7ldh@direct.ca>
- 6) [6042] Suggestions for a new rig requested
by Ward Hill <w_hill@ns.net>
- 7) [6043] Dentron Tuner question
by Bruce Rattray <rattray@gpfn.sk.ca>
- 8) [6044] Re: 2N2222 RX
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 9) [6045] Re: ICOM Level Converter Schematic
by Larry Przyborowski <lprzyski@erols.com>
- 10) [6046] All Band CW/SSB Kits ??
by peacemkr <peacemkr@wcc.net>
- 11) [6047] FOX LOG: 03-10-98 (V. 1.0)
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 12) [6048] WTD Gen.Coverage RX
by Niel Skousen <nskousen@scientechn.com>
- 13) [6049] I PASSED the no code Tech Exam
by Chuck and Michele Snyder <csnyder@nextdim.com>
- 14) [6050] Re: I PASSED the no code Tech Exam
by Paul Harden <pharden@aoc.nrao.edu>
- 15) [6051] Tuna Tin 2 Lives
by JkHampton <JkHampton@aol.com>
- 16) [6052] Elmer 101 tools
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 17) [6053] Re: I PASSED the no code Tech Exam
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
- 18) [6054] a little more on cloud burners
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 19) [6055] Test message

- by peacemkr <peacemkr@wcc.net>
- 20) [6056] Re: Getting Kids On CW
by kf2ew@juno.com (David M Kopacki, Sr.)
- 21) [6057] OHR Web Site
by "Ron Smith" <resmith@primenet.com>
- 22) [6058] Need scope manual
by Mike - W0TMW <crucis@sky.net>
- 23) [6059] Re: OHR Web Site
by Mike - W0TMW <crucis@sky.net>
- 24) [6060] Solar Flux 120
by "Kelly Ellison" <kelman@dialnet.net>
- 25) [6061] Re: All Band CW/SSB Kits ??
by Frank G3YCC <g3ycc@g3ycc.prestel.co.uk>
- 26) [6062] Connector insertion loss
by "Rod Logsdon" <bike4life@bikerider.com>
- 27) [6063] Elmer101: Hints for viewing large bitmaps
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 28) [6064] Alaska State QSO Party (Details - Long)
by Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
- 29) [6065] QRP into WY
by Thomas J McCuen <TMcCuen@compuserve.com>
- 30) [6066] server down
by Bruce Rattray <rattray@gpfn.sk.ca>
- 31) [6067] Re: FOX LOG: 03-10-98 (V. 1.0)
by launerb@crl.com (William H. Launer)
- 32) [6068] N/T Sprint
by Bruce Rattray <rattray@gpfn.sk.ca>
- 33) [6069] PostScript Faux Pas
by "James R. Duffey" <ji3m@maxwell.com>
- 34) [6070] K5FO Sighting
by Ken Freedman <n1qqv@cshore.com>
- 35) [6071] ugly weekender rx
by Roger Braker <msebrakr@telepath.com>
- 36) [6072] Re: Connector insertion loss
by Michael Tracy <mtracy@arrl.org>
- 37) [6073] Elmer101: European front end
by ea8yu Goran <rodriguez@jet.es>
- 38) [6074] N/T+ Sprint
by DENNIS MO <DENNISMO@aol.com>
- 39) [6075] N/T Sprint
by Bruce Rattray <rattray@gpfn.sk.ca>
- 40) [6076] RF probe voltage dependency
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 41) [6077] RE: RF probe voltage dependency
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 42) [6078] EMI filter ???
by pmk@juno.com (Patrick M Kvitkauskas)
- 43) [6079] I hear 'em, but no copy ...

- by kd4zkw <kd4zkw@amsat.org>
- 44) [6080] question on pi networks
by "Wayne Barnhart" <wb7whi@triaux.com>
 - 45) [6081] W1AW/QRP
by "Bob Edwards, W4ED" <w4ed@flash.net>
 - 46) [6082] Solar Flux (133!) and Sprint
by "Kelly Ellison" <kelman@dialnet.net>
 - 47) [6083] Re: Connector insertion loss
by Paul Harden <pharden@aoc.nrao.edu>
 - 48) [6084] Idea Exchange disclaimer
by mike czuhajewski <wa8mcq@abs.net>

Date: Sun, 15 Mar 1998 00:24:11 +0000
From: wd3p@juno.com (Larry Cahoon)
To: qrp-1@Lehigh.EDU
Subject: [6037] ARRL 160-Meter Contest - QRP
Message-ID: <19980315.002412.6382.0.wd3p@juno.com>

The results are out for last December's ARRL 160 Meter contest. The QRP bunch looks real good. Almost 10 percent of the logs sent in were QRP - 72 of 735 logs.

Top QRP score went to N0TT with 629 QSOs. Second went to WK3I with 579 QSOs. I don't know about N0TT's antenna farm, but WK3I operates with nothing more than a dipole. These guys compare real well with the overall winner who ran high pwr and had just over twice as many contacts - 1322 QSOs.

Keep up the good work!!!

73 de Larry....WD3P

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 14 Mar 1998 16:12:38 -0700
From: "C. Leung" <cleung@c1n.etc.bc.ca>
To: qrp-1@Lehigh.EDU
Subject: [6038] Info on AEA KT-1 keyer?
Message-ID: <103110701b130bc04f0cd@[199.60.32.99]>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I purchased an AEA KT-1 keyer a couple of years ago. It didn't come with a manual. At the time, I contacted AEA for info about the keyer. They didn't have the information I need. Now AEA is no longer in business. Does anyone on the list own or have operating instructions for this keyer. It's a small unit with a numeric keypad and a volume control on the top. I figured out how to change the pitch of the sidetone, but that's about it. I am sure it's capable of much more than that.
Thanks. 72.

Chun - VE7DXJ.

Date: Sat, 14 Mar 1998 19:39:42 -0500
From: "John J. McDonough" <jjmcd@mdn.net>
To: <ji3m@maxwell.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [6039] Re: Elmer 101 PostScript Printing on the Mac
Message-ID: <199803150044.4721000@midland2.mdn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: James R. Duffey <ji3m@maxwell.com>; owner-qrp-l@Lehigh.EDU
>
> <fontfamily><param>Times</param><bigger>".%! PS-Adobe-1.0: For Apple
> LaserWriter</bigger></fontfamily>"
>

Well, apparently it was sheer dumb luck!

The "<fontfamily><param>Times</param><bigger>". is not good stuff, and your printer SHOULD find it offensive. The % indicates the beginning of a comment in PostScript, but a LOT of printers ignore everything until they see "%! PS-Adobe". the "-1.0" can actually be useful information to some printers/programs, but they are not allowed to take it too seriously since it's a comment. Still some do. Indeed, they shouldn't put any weight in the %! PS-Adobe since it's a comment and perfectly valid PostScript files can exist without it, but an awful lot of programs/printers use it to mark the beginning of a valid document.

73 de WB8RCR

Date: Sat, 14 Mar 1998 20:02:39 -0500
From: Joseph Everhart <n2cx@voicenet.com>
To: qrp-1@Lehigh.EDU
Subject: [6040] QRP from W1AW
Message-ID: <199803150102.UAA54342@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Group,

The annual NEQRP meeting at ARRL HQ will take place tomorrow. This is one of the rare instances when HQ is open at all on Sunday. Special arrangements are needed and a sponsor. Our sponsor is Mike Tracey KC1SX who graciously agreed to watch over us for the day.

For those of you who are not attending, check the QRP frequencies in the afternoon. Starting at about 1 pm or so, we hope to be able to fire up W1AW/QRP. Several folks on the west coast and down the east coast have expressed an interest in working '1AW when it is running QRP. This is your opportunity. Best bets for the west coast, etc. are probably 20 and 15 meters. But check the QRP freqs on all bands. No promises, but you just find us.

Speaking as an NEQRP member who just happens to be excited about this event!

72/73,

Joe E., N2CX

>From South Jersey, y'all!

home: n2cx@voicenet.com
work: jeverhar@camden.lmco.com

Date: Sat, 14 Mar 1998 17:00:36 -0800
From: Laura Halliday <ve7ldh@direct.ca>
To: qrp-1@lehigh.edu
Subject: [6041] Re: Elmer 101 PostScript Printing on the Mac
Message-ID: <350B2834.647B187F@direct.ca>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Warning: minimal QRP relevance.

In PostScript, % introduces comments. Thus,

%!PS-Adobe-1.0

is a comment. However, many systems use the first 16 bits of a file as a magic number to make an educated guess on what to do with the file, and for PostScript files, those first 16 bits, in ASCII, look like %!. The rest of the line is information that tells programs how the file is organised, according to the Document Structuring Conventions (DSC). Common values for the number are 2.0 and 3.0, and it may be followed by incantations like EPSF-1.2 for special functions.

...laura, who used to work with digital prepress and taught courses in this stuff

Date: Sat, 14 Mar 1998 17:54:25 -0800
From: Ward Hill <w_hill@ns.net>
To: qrp-l@Lehigh.EDU
Subject: [6042] Suggestions for a new rig requested
Message-ID: <l03130301b130e341cbb6@[207.159.15.104]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi there,

With my new Extra in hand, I now search for a new rig to build.

I am looking for something on 20, 17, 15, 12 or 10 meters, what with the bands coming back. A single bander, CW, is what I am after. I am asking for some suggestions as to what way to go. I have been looking at EMTECH, Oak Hills and Small Wonder Labs rigs. Any comment or suggestions would be most appreciated.

I have been certified as a MIL STD 2000 operator and inspector in the past and I have built many rigs. So, the difficulty level should not be a problem.

As always, TNX in advance.

72,

Ward, WA6FUH

Date: Sat, 14 Mar 1998 20:53:27 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@Lehigh.EDU>
Subject: [6043] Dentron Tuner question
Message-ID: <Pine.SOL.3.91.980314204933.23887A-1000000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can one have an open wire line from an antenna plus a coax line from an antenna hooked up to the Dentron Super Tuner at the same time?...or is it one or the other?...I don't think "at the same time" but I'm not 100% sure...thanks & 72 - Bruce (VE5RC+VE5QRP)

Date: Sat, 14 Mar 1998 22:22:17 -0500
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: astone@erols.com
Cc: qrp-1@Lehigh.EDU
Subject: [6044] Re: 2N2222 RX
Message-ID: <3.0.1.16.19980314222217.2cb79368@mail49.mci2000.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

At 10:59 PM 3/13/98 -0800, Ron (KA3J) wrote:
>Jim -- sounds great! I really appreciate you sharing this with everyone.
> I'm interested to hear more about your development method. It sounds
>like you did quite a bit of the work directly on the simulator. Did you
>also do much paper and pencil analysis/calculations or did you find this
>to be largely superfluous? Have you tried running the rig without the
>preamp? Is there a real benefit to having it on 40 Mtrs? Take care.
>
>72,
>
>Ron (KA3J)
>
Hi Ron, I'll try and answer some of your questions. The basic

method I used in designing the rig was to model a stage at a time with the MicroSim DesignLab simulation software. This software lets one draw a schematic, and uses that with the component values to build a model for simulation. I'm still a real newbie at using the design software, and haven't master all there is to this package, which is VERY sophisticated. I did very few paper and pencil calculations. The simulation software computes the voltage and current across and through each part respectively, so not need to do any manual calculations. Any of the voltages or currents can be plotted, etc. including multiple currents, products to compute power values, etc.

After each circuit was optimized, I would built it on the PC board using an old technique the makes use of very small bits of single sided PC board for terminal points. These are super glued to single sided PC board on the copper side. I think the technique might be called "Manhattan" style of construction, but not sure. I make the little PC board pads using an ADEL nibbling tool. The resulting pads are about 1/4 inch wide by 3/32 inch deep, just right for soldering on several components.

As far as the preamp is concerned, I have run the rig without it and it hears just fine, but I found at about +13 dB gain, it seems to balance the signal amplification more to what I think it ought to be. Better signal to noise the way my ears hear it. Not very scientific, but I get to the measurements later on after everything is build and operating. You know...get it working first, and then do the optimization.

The reason that I put it on 40 meters was that I thought that might be the most popular band, at least with the QRP-L gang and the enthusiasm for the fox hunts, etc. And I don't have a home brew qrp rig on this band myself, so it was a bit self serving.

Anyway, hope you find these answers useful. I'm gonna post this to the group because there are others interested.

72 and kind regards.....Jim

Jim Kortge, K8IQY (ex NU8N)		NorCal, QRP-L
jokortge@mci2000.com	__o	H.F. bicycle mobile
Fenton, MI	_`\<,	Mizuho 17/40 SSB
...	(*)/(*)	...
NorCal 38S/30 Log	-	34 States; 40 Countries - Running 3 watts
Most recent -	Iowa	Mauritius

NorCal 38S/17 Log - 22 States; 51 Countries - Running 1.5 watts
Most recent - Alaska Ecuador

Date: Sat, 14 Mar 1998 23:34:15 -0500
From: Larry Przyborowski <lprzyski@erols.com>
To: tahrens@inetport.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6045] Re: ICOM Level Converter Schematic
Message-ID: <350B5A47.31B3@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tim Ahrens wrote:

>
> Does anyone have a copy of the QST that has
> a Low Cost PC Interface for Icom Radios? This would be
> from QST, July 1992 page 37-38. Actually, I just need the
> schematic.

I haven't seen the QST article, but here are a couple others to check out:

<http://www.jps.net/k6xx/icbsciv.htm>

<http://www.access.digex.net/~cps/icom.html>

73, Larry - K3PEG

Date: Sat, 14 Mar 1998 22:21:55 -0600
From: peacemkr <peacemkr@wcc.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6046] All Band CW/SSB Kits ??
Message-ID: <350B5762.C3398F8B@wcc.net>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----760925EE3A0421B4202DEECD"

-----760925EE3A0421B4202DEECD
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Message-ID: <19980315045817.AAA25328@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

FOX-0310 -----

TIME	STATION	SENT	RCVD	QTH	NAME	#
02:00	K0EVZ	579	579	MN	DOC	861
02:04	N9DD	559	559	IN	TOM	32
02:06	W6ZH	539	559	CA	PETE	257
02:10	K1MG	559	559	CA	MIKE	614
02:12	WD4MSM	559	559	IN	BARRY	642
02:13	KI5G	539	479	AR	DAVE	934
02:17	W8IFF	559	559			?
02:20	KB0T	559	559	MN	RICH	1268
02:22	W8SFF	559	559	MI	STEVE	1288
02:23	NQ7X	538	559	AZ	FLOYD	343
02:25	AB7TT	559	559	AZ	JOE	191
02:28	KM9L	559	559	IL	DENNY	?
02:29	WA7DD	579	559			?
02:35	VE5RC	579	339	SK	BRUCE	886
02:36	N0TU	559	559	CO	STEVE	911
02:38	K50I	539	559	NM	TIM	?
02:42	K10J	579	559	TX	OJ	732
02:44	WE6W	539	539	CA	ED	1068
02:46	KJ3V	539	559	AL	LYNN	1227
02:50	KC1FB	539	539	CT	JIM	29
02:52	N7IR	559	549	AZ	GARY	1330
02:54	K5JHP	549	339	TX	BILL	825
02:56	K5UP	539	549	OK	GLEN	21
02:58	W4YNG	559	559	AL	HAL	5W
02:59	K1MG	529	559	CA	MIKE	614
03:00	AB5UA	579	559	OK	CLIF	478
03:02	W0CH	589	589	MO	DAVE	618
03:04	N5LU	539	559	OK	BILL	5W
03:05	W5FN	579	579	TX	TIM	586
03:06	N9KW	559	559	IL	JOHN	1257
03:08	K5ON	549	579	NM	GARY	770
03:09	N8VAR	559	559	OH	RON	263
03:11	W5USJ	549	559	TX	CHUCK	1306
03:14	KK6MC/5	559	559	NM	JIM	411
03:17	AE4GX	559	559	GA	SAM	1033
03:19	K5ZTY	579	559	TX	BILL	473
03:20	K4PYM	559	569	SC	GEORGE	1297
03:22	N4ROA	559	559	VA	DAN	970
03:24	KQ5U	559	559	TX	TERRY	5W

03:26	N7KT	539	439	AZ	ROGER	?
03:32	WBOCLD	569	569	MO	BILL	279
03:35	W4PU	579	559	GA	CRAIG	1213
03:36	KU7Y	579	559	NV	RON	17
03:40	N1TP	559	559	FL	TOM	1317
03:46	KB9IUA	559	559	IL	KEVIN	384
03:50	VE7CQK	559	559	BC	PAUL	20
03:54	N7VE	559	559	AZ	DAN	5W

THANKS TO ALL FOR HANGING IN THERE ON A V*E*R*Y TOUGH NIGHT!
72/73 =S=

Seab Lyon, AA1MY, Bethel, CT, USA
FN-31-HJ; ARRL; QCWA; ACRI#9253;
QRP-L#574; NEQRP#511; Pres., C.A.R.A.:
<http://www.danbury.org/org/cara/>

Date: Sat, 14 Mar 1998 22:00:05 -0700
From: Niel Skousen <nskousen@scientechn.com>
To: qrp-l@Lehigh.EDU
Subject: [6048] WTD Gen.Coverage RX
Message-ID: <v04003a01b131104a1958@[205.180.127.114]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Still looking to trade for a general coverage reciever.. Older FRG-7 or
Sears Communications Reciever, or one of the SSB capable portables would be
nice.

Please reply direct

Niel

Date: Sat, 14 Mar 1998 22:23:28 -0800
From: Chuck and Michele Snyder <csnyder@nextdim.com>
To: QRP <qrp-l@Lehigh.EDU>
Subject: [6049] I PASSED the no code Tech Exam
Message-ID: <350B73E0.65916448@nextdim.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

Well, it's official I am among the in-crowd. I passed my No Code Tech Exam this morning. I didn't ace the exam, but I did pass it. I got an 86% on the Novice and a 93% on the Technician Exam. There was quite a nice turn-out of folks at the test site. Now the fun part...WAITING! I have to wait a couple of weeks for my station license. Next, I would like to go for the General exam. I need to practice CW very earnestly.

Talk to you all later. Have a nice weekend :-).

--

Chuck Snyder (No_Call_Sign_Yet)
<http://www.nextdim.com/users/csnyder/index.htm>
QRP-L #1462
Spokane, WA

Date: Sun, 15 Mar 1998 00:23:37 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Chuck and Michele Snyder <csnyder@nextdim.com>
Cc: qrp-l@Lehigh.EDU
Subject: [6050] Re: I PASSED the no code Tech Exam
Message-ID: <Pine.SOL.3.91.980315001011.4562B-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Chuck,
Congratulations on getting your first ham ticket. It's a special moment in all of our lives. I still remember the moment I got my first ticket in the mail, WNONOW in 1964 when I was in the 8th grade. Everyone remembers *their* day.

GL learning the code. Once you can copy the test tapes/super morse or whatever around 5 wpm, just get "on the air" and start listening to QSO's on the novice band or the W1AW code practice sessions. Copying code through real static and listening to real QSO's (with all the real mistakes) will boost your efficiency in days.

A little CW trivia ... 20 years ago, when I decided to really learn to copy CW (break the 15 wpm barrier) I started copying UPI news sent

in morse code from station WCC in Chatham, MA. They sent the news to ships at sea at 22 wpm, and usually approaching 30 on weekends. Most enjoyable CW I ever copied. Gosh I miss WCC! But I was copying 22 wpm in less than a week.

So good luck with the code and studying for your general. There's a bunch of guys who can't wait to work you.

72, Paul NA5N

Date: Sun, 15 Mar 1998 04:00:57 EST
From: JkHampton <JkHampton@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [6051] Tuna Tin 2 Lives
Message-ID: <6d813372.350b98c6@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Good QRP-Lers

After several unsuccessful evenings with the Tuna Tin, it finally paid off. The band has been unusually quiet sooo the time was right.....

Two QSO with tonight (well, this morning).

It looks as if my Tuna Tin only puts out about 150 millawatts. The board was homebrew from a picture of one of the early boards. I freehanded the traces with a Sharpie from the picture and etched it at a club meeting last month for a demonstration. The antenna is a dipole in the attic, made from 300 ohm twin lead and cut for res on the Fists freq for 40 and 20 meteres.(It is only about 15 feet up but I still get good reports with it and my Scout at 5watts.) Tonight I got a 569 and a 579 using it with the Tuna Tin 2. First QSO was during the QCWA test. Bill, K9CLO in IND. He said he had solid copy on my "Flea Power" after I told him the power. The next QSO lasted over an hour ! That was Bob in Mo, about 7 mi.from Iowa border. Both will qualify for the 1000 mi/watt from Zachary, LA.

As you might expect, I am more then a little excited with the events of this morning. I was so excited when I herd my call sign come back that my first transmiion was with the antenna switch still in the receive mode. Wow, I think I may have been more excited about this contact then I was about my real "first QSO"

Anyway, the Tuna Tin 2 really is a serious and I am looking forward to

building the Herrring Aid, CB Slider and the CodZilla to go with it. The education and excitement will be worth a lot more then the cost. Thanks to NorCal for revisiting this classic project. It may be a little tough to Fox hunt with but who knows, if an unsuspecting fox were to come by, The TT2 might nail him:)

Gud CW and QRP to all 72 de AC5JH Tom
QRP-L 1319 Fists 2507

Date: Sun, 15 Mar 1998 04:44:07 -0500
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [6052] Elmer 101 tools
Message-ID: <199803150445_MC2-36CB-2831@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi gang,

Agree with the post regarding tools, if you haven't got them, buy the BEST
you can possibly afford, look for good stainless snips if you can, they'll
last you a lifetime.

In the pro world where tools costs are'nt a major problem, we find a \$10
pair of snips lasts a couple of years at most, whereas my last pair of
stainless ones were issued 1987! Says it all, they're in daily use and
still going strong, last couple of weeks been involved in moving a
telephone exchange, 1800 lines, two wires per line to be snipped and
terminated. Next two weeks will be jumpering them, this will involve 3600=
x
2 snips and terminations, trhe snips will do it ok.

Also, if you have to use the kitchen table, she who must be appeased/obey=
ed
will probably like it if you use a bench hook. To make this, take a piece=

of 1/2 in thick ply roughly 2 ft 6 in by 2 ft, not gospel, vary size to
suit table and yourself. Cut a couple of battens of say 2 x 1 in timber a=
nd
screw along the longer edges of the piece of ply so that each one is on
opposite sides to the other, looking end on you get a rough "Z" shape =

-
1_ like this. Fit a trailing socket for your solder
iron with a suitable plug on one end to match your house supply to the 2 =
x
1 batten on the side you have decided will be the top. Fit four small
rubber feet to ply on the bottom to avoid scratching the table. Bingo,
instant workbench and the boss is happy!

To use it, simply place it on the table so that the batten on the bottom
overhangs the table and then push it up hard against the edge of the table.
e.

Refinements could include a couple of small clamps to make sure it doesn't
go walkabout, and/or a third hand type of gizmo for holding PCB's, or one
of the small plastic vices for model makers to hold small parts for
soldering.

72 and 73 de Mel
GM6JAG
Edinburgh, Scotland UK.
Home of the last HW9

G-QRP 1283 EA-QRP 88 ARRL and the likes

Area Chairman, British Caravanner's Club, Scotland.

Date: Sun, 15 Mar 1998 06:53:20 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: csnyder@nextdim.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6053] Re: I PASSED the no code Tech Exam
Message-ID: <350BC130.38D8@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good deal Chuck.

The FCC will post your new call sign in about ten-fifteen days. Check
the database at

<http://www.ualr.edu/~hamradio/callsign.html>

The site is updated daily and has the full FCC database of station/operator licenses. You are legal to transmit within your frequency priveleges as soon as you can identify, meaning as soon as you know your callsign. You do NOT have to wait for posession of the license.

Now all you need to do is pass the code test and get on the HF bands.

Congratulations and welcome to the club.

--

73 de
KI8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

10-X #68364	SCI #1479	QRP-L #945	ARS #203	ARCI #9606
C.A.T.T #2115	FIST 2360	NORCAL	ARRL	VE

Date: Sun, 15 Mar 1998 07:03:01 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, antennas@qth.net, QRP-L List <qrp-l@Lehigh.EDU>, gqrp-l@blacksheep.org
Subject: [6054] a little more on cloud burners
Message-ID: <Pine.GS0.3.96.980315065824.10016A-100000@moe>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In answer to a request for some ideas on tilting the cloudburner pattern (straight up) because of a coastal location, I looked into several and discovered that a simple wire Yagi or Moxon (1/8 wl height=35' at 3.9 MHz) might be the best compromise between simplicity and getting the job done.

The ideas and modeling data are appended to the cloud burner notes at the site, for anyone interested in near vertical incidence propagation. Hope they are useful to someone.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off) (423) 974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	\	/	/ /	(FAX) (423) 974-3509
37938-4443 USA	/	\	\	\			cebik@utk.edu
URL: http://funnelweb.utcc.utk.edu/~cebik/radio.html							

Date: Sun, 15 Mar 1998 08:52:45 -0600
From: peacemkr <peacemkr@wcc.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6055] Test message
Message-ID: <350BEB3C.3195FDAB@wcc.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Trying to fix my mailer please disregard

--

Sam Morgan
aka peacemkr
ARS KA5OAI
<http://www.wcc.net/~peacemkr>
ICQ# 172053

Date: Sun, 15 Mar 1998 10:35:05 -0500
From: kf2ew@juno.com (David M Kopacki, Sr.)
To: csnyder@nextdim.com
Cc: qrp-1@Lehigh.EDU

Subject: [6056] Re: Getting Kids On CW

Message-ID: <19980315.103510.8726.0.kf2ew@juno.com>

Read with interest your message...

My daughter, who is 5 yrs, 6 mos just took the novice code test for the first time. Unfortunately, she missed passing by one letter (actually, it was a number!). However, she shows no negative reactions and everyone involved was overly helpful. We continue to study. She, Ashley, is using a MFJ 941 morse code tutor. She is currently listening at a Farnsworth speed of 16 and text speed at 7. We are planning for Ashley to take the test again during the April National VE day. Once teaching her the characters, the tutor has been invaluable and has many options. Check it out!

Mike, KF2EW

On Sat, 07 Mar 1998 11:56:28 -0800 Chuck and Michele Snyder

<csnyder@nextdim.com> writes:

>Hi Curtis,

>

> I am about to get certified myself for the first time on this next
>Saturday.

>Anyway, last night I found this great CW program that I feel would
>really benefit

>your 8 1/2 year old kid. My 5 year old daughter is showing an interest
>in CW too.

>Anyway, go to the following address:

><http://www.magiclink.com/web/shurst/Links.html#Morse>. Down load the
>NuMorse program.

>The program seems quite nice and very user-friendly. Let me know what
>ya think.

>--

>Chuck Snyder (No_Call_Sign_Yet)

><http://www.nextdim.com/users/csnyder/index.htm>

>QRP-L #1462

>Spokane, WA

>

>Curtis D. Levin wrote:

>

>> On Sat, 7 Mar 1998, DENNIS MO wrote:

>>

>> >

>> > Well, I blew it with my kids. Although I've wanted to be a ham
>>since I was 13

>> > or 14, I kept putting it off until last August. Now I'm almost 55
>>and all by

>> > kids are grown up and married so I doubt whether any of them are

```

>going to get
>> > the "ham bug" from me.  BUT... I have grandkids now..!  And my 8
>1/2 year old
>> > grand son is really a sharp kid and has shown some interest in
>learning
>> > "...that code thing".  I'd love to teach him but before I get
>started I
>> > thought that I would ask this group if they have any suggestions
>on how to
>> > best prepare a child this young for the Novice code test and exam.
> He reads
>> > well and likes to learn new things.  I just don't want to make a
>mistake and
>> > snuff out his interest.  So... with that said I look forward to
>hearing from
>> > you on "best ways" to teach code and theory to an eight year old.
>Thanks in
>> > advance....
>> >
>> > 72's de Denny - KF6NJQ/AG
>>
>> Try the Gordon West book and cassette tapes, and get him a practice
>> oscillator. Having a toy will hold his interest. Then send him cw
>> using an oscillator, and he'll be prepped for qsos.
>>
>>
>> | Curtis D. Levin  KD4ZKW      | cdlevin@dialisdn.com |
>> | kd4zkw.ampr.org[44.98.2.22]|  kd4zkw@amsat.org   |
>> | Member HTML Writers Guild |   QRP-L : #1488    |
>> |   Webpage  http://dialisdn.net/user/cdlevin/   |
>> ~~~~~
>
>
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>

```

You don't need to buy Internet access to use free Internet e-mail.
 Get completely free e-mail from Juno at <http://www.juno.com>
 Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 15 Mar 1998 07:50:32 -0700
From: "Ron Smith" <resmith@primenet.com>
To: "qrp-1@lehigh.edu" <qrp-1@Lehigh.EDU>
Subject: [6057] OHR Web Site
Message-ID: <00f701bd5021\$b6d076e0\$3c22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone else having no luck in getting into <http://www.ohr.com> ? I tried
between 0215 and 0245 UTC but never got in.

72 all around...

Ron Smith
Amateur Radio Callsign: KD7VD
Boise, Idaho
E-mail: resmith@primenet.com
QRP-L #1291...ARCI #9580...NorCal #????
AK-QRP #352...HI-QRP #34...ARS #347

Date: Sun, 15 Mar 1998 10:11:03 -0600
From: Mike - W0TMW <crucis@sky.net>
To: "forsale-swap@qth.net" <forsale-swap@qth.net>, Low Power Amateur Radio
Discussion <qrp-1@Lehigh.EDU>, QRPP Mail List <QRPP@qth.net>
Subject: [6058] Need scope manual
Message-ID: <350BFD96.909F9BA8@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just picked up a 'scope at a hamfest and need the manual. The scope is
a Leader, 25MHz, dual channel, model LC-2001. Anyone have a manual
they'd sell or copy?

Thanks, Mike - W0TMW

--

=====

Mike Watson, W0TMW,	QCWA Mbr # 28651, Chap. 35
Raymore, MO USA	Grid: EM28st

<http://www.sky.net/~crucis>

E-mail: crucis@sky.net ARS# 352, QRP-L# 1489

=====

Date: Sun, 15 Mar 1998 10:23:31 -0600

From: Mike - W0TMW <crucis@sky.net>

To: resmith@primenet.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [6059] Re: OHR Web Site

Message-ID: <350C0083.9935F@sky.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I just got in after three tries. The problem doesn't appear to be the web site, but that the Domain Name Servers (DNS) used by the various ISPs are timing out and not providing routing information to get to the site. I've noticed that slow and non-response from the DNS since Friday.

Mike - W0TMW

Ron Smith wrote:

>
> Anyone else having no luck in getting into <http://www.ohr.com> ? I tried
> between 0215 and 0245 UTC but never got in.
>
> 72 all around...
>
> Ron Smith
> Amateur Radio Callsign: KD7VD
> Boise, Idaho
> E-mail: resmith@primenet.com
> QRP-L #1291...ARCI #9580...NorCal #????
> AK-QRP #352...HI-QRP #34...ARS #347

--

=====

Mike Watson, W0TMW,	QCWA Mbr # 28651, Chap. 35
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Raymore, MO USA	Grid: EM28st
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<http://www.sky.net/~crucis>

E-mail: crucis@sky.net ARS# 352, QRP-L# 1489

=====

Date: Sun, 15 Mar 1998 07:32:38 -0600
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [6060] Solar Flux 120
Message-ID: <199803151330.HAA29539@mail.dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Here is the latest...

Issued: 1998 Mar 15 1209 UT
Prepared by the U.S. Dept. of Commerce, NOAA, Space Environment Center.

Geophysical Alert Message

Solar-terrestrial indices for 14 March follow.
Solar flux 120 and Boulder A-index 9.
The Boulder K-index at 1200 UT on 15 March was 2 (16 nT).

Solar-terrestrial conditions for the last 24 hours follow.
Solar activity was low.
The geomagnetic field was at quiet to minor storm levels.

The forecast for the next 24 hours follows.
Solar activity will be low to moderate.
The geomagnetic field will be unsettled to active.

Bands seem to be in good shape. Enjoy all!

Kelly Ellison
WB0WQS
Aurora, Missouri

Date: Sun, 15 Mar 1998 09:36:34 +0000
From: Frank G3YCC <g3ycc@g3ycc.prestel.co.uk>
To: peacemkr@wcc.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6061] Re: All Band CW/SSB Kits ??
Message-ID: <T4qqY0AiE6C1Ewc1@g3ycc.prestel.co.uk>
MIME-Version: 1.0

In message <350B5762.C3398F8B@wcc.net>, peacemkr <peacemkr@wcc.net>
writes
>2nd question ... what other all band cw/ssb rigs are available and
>any pros or cons about them?
Check out the Hands GQ2000 kit for an all band CW rig kit via my web
page, where else?
Best regards.
--
Frank G3YCC GQRP 042 (email g3ycc@g3ycc.prestel.co.uk)
QRP Web Page: <http://www.homeusers.prestel.co.uk/g3ycc/>
Packet: G3YCC@GB7HUL

Date: Sun, 15 Mar 1998 11:08:03 +0000
From: "Rod Logsdon" <bike4life@bikerider.com>
To: qrp-l@Lehigh.EDU
Subject: [6062] Connector insertion loss
Message-ID: <19980315170035.JCIR24473@[199.179.164.252]>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Does anyone know of a website that has a table of insertion losses for
all the various types of coaxial connectors? In lieu of this does
anyone possible have such a table they could e-mail to me?

Thanks much.

73 de Rod Logsdon ... WK9T
Carol Stream, IL
QRP-L # 616 ARS # 153
E-mail: bike4life@bikerider.com

Date: Sun, 15 Mar 1998 11:40:37 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Subject: [6063] Elmer101: Hints for viewing large bitmaps
Message-ID: <3.0.3.32.19980315114037.006e9000@mol-sun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi all,

big thanks to Dave NN1G and Chuck K5FO for making the schematics available in electronic format. very nice job on both their parts.

as some of you will have noticed, it can be real slow going viewing large images on web-browsers, mainly when you have to "pan" to see the whole image, even on decently fast computers. an alternative that may work better, would be to download the graphic file straight to your hard-drive, and then view it using a standalone graphic viewer utility.

HOW TO DOWNLOAD TO DISK DIRECTLY - if you know the web link you are about to click on is an image file and not an html page, ie, it doesn't end in .htm or .html , then by right-clicking [Windows] or click-&-hold [Mac], you will be presented with a small menu of choices, one of which will be "SAVE IMAGE AS . . ." . select that and the file will be saved to disk without being displayed on the browser.

STANDALONE GRAPHIC VIEWERS - there are quite a few shareware viewers out there, some distinctly better than others. for bitmap graphics files such as .jpg, .gif, .tif, .png, .bmp etc, i've found ACDSee16 and ACDSee32 (for Win 3.1 and Win95 respectively) to be very nice, very fast. It is not a general graphic utility, mainly just a viewer, so it is not very good at format conversions, but that lets it be small and fast and good at what it does do.

<http://www.acdsystems.com>

I'll let somebody with more Mac experience than myself to make rec's for that environment.

As for viewing PostScript files on the screen - Ghostview and Ghostscript are available, but as somebody else mentioned, getting much into them is probably beyond the scope of this particular mailing list. Some commercial graphics program will let you import PostScript files, so check out what you've got already.

--adam, n2brt

```
=====
Adam B. Kanis, N2BRT      QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu     QRP ARCI : NorCal : QRP-L: G-QRP : CQC
    Straight Key : OHR-100 40m : Carolina Beam oriented N/S
** On the Web at   http://genome33.ped-gen.uiowa.edu/hamradio **
=====
```

Date: Sun, 15 Mar 1998 08:57:08 -0900
From: Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
To: qrp-1@Lehigh.EDU
Subject: [6064] Alaska State QSO Party (Details - Long)
Message-ID: <v03007803b131c6ac001d@[204.119.15.60]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

One week and counting to the 1998 Alaska State QSO Party... All the details follow...
This is your chance to fill in that needed Alaska band or mode... Special QRP awards...

ALASKA QSO PARTY

March 21-22, 1998

.....The South Central Amateur Radio Club is again sponsoring the Alaska QSO Party... Details of this event are given below... We encourage all Alaska based members to spend as much time as possible on the air to help make this event a big success... To our members outside the state, this is your opportunity to work that elusive KL7 either for the first time or perhaps on a new mode or band... Look for Alaskan stations on the frequencies listed below as well as on the QRP calling frequencies...

.....Jim Wiley of the SCARC stated that any station submitting 5 or more contacts with Alaskan stations would be issued a certificate... For QRP stations, that certificate is available for working at least one Alaskan station and showing at least 4 more Alaskan stations heard... Indicate the date/time/freq/station they worked in your log to allow SCARC to cross check your "heard" report... At the time of our conversation he said these numbers were not yet cast in stone so check the AKQRP web site for any updates... Jim also said that logs could be submitted electronically. I will post the address for this at the AKQRP web site as soon as it becomes available... Logs for the special AKQRP awards can be e-mailed to < akqrp@polarnet.com >...
Don't forget to also submit your log to the SCARC, which is the sponsoring

club for the QSO Party...

ALASKA QSO PARTY

March 21 -22, 1998

The Alaska QSO Party is sponsored each year by the South Central Amateur Radio Club, Anchorage, Alaska. This years event will be held from 0000Z Mar 21 to 2400Z Mar 22, 1998.

Rules

Work Alaska stations only (Alaska stations work everyone)
Exchange RS(T) and state/province/DXCC country (Alaska stations send city)
Score 1 point per phone; 2 points per CW, digital or SSTV QSO
160, 80 & satellite QSO's count double
Final score is QSO points x Alaska cities worked (Alaska stations use states/provinces/DXCC countries)

Suggested Frequencies

1.835 MHz
3.700, 3.875 MHz
7.035, 7.135, 7.235 MHz
14.035, 14.245 MHz
21.135, 21,335 MHz
28.135, 28.335 MHz

Send logs
by June 30, 1998 to:

South Central Amateur Radio Club
c/o Jim Wiley, KL7CC
8023 E. 11th Ct.
Anchorage, AK 99504.

For further details:

<http://www.servcom.com/worcester/>

ALASKA QSO PARTY

Alaska QRP Club Awards

.....To help promote QRP activity during the Alaska QSO Party, the Alaska QRP Club will be sponsoring three special "QRP" awards...

.....High Score - Alaska QRP Station

.....High Score - US QRP Station

.....(includes all US territories & states except Alaska)

....High Score - DX QRP Station (excluding Alaska)

.....To be eligible for these special awards your log must certify that all contacts were made at 5 Watts Output or less for cw/digital contacts, and 10 watts PEP or less for SSB/SSTV contacts... Stations worked need not be QRP...

.....For further details on the Alaska QRP Club Awards contact us at:

akqrp@polarnet.com

72 / 73 / oo's - Bruce - KL7JAF

"Alaska QRP Club" - Web Site: <http://www2.polarnet.com/~bhobkins/akqrp>

***** ALASKA QSO PARTY - MARCH 21ST & 22ND 1998 *****
See AKQRP Web Site for Details

Date: Sun, 15 Mar 1998 13:05:38 -0500
From: Thomas J McCuen <TMcCuen@compuserve.com>
To: QRP-L Lehigh Server <qrp-l@Lehigh.EDU>
Subject: [6065] QRP into WY
Message-ID: <199803151306_MC2-36D2-AC76@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Just made WY via QRP usb....5 watts.(only HI and ID to go)
W7YP is on now at 21.35 calling cq for a contest.

Tom aa2vk

Date: Sun, 15 Mar 1998 13:32:34 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@Lehigh.EDU>
Subject: [6066] server down
Message-ID: <Pine.SOL.3.91.980315132729.4942A-100000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The Great Plains Free Net server has been down since sometime Saturday evening...I just received an e-mail from a maintainer that the webserver has been restarted and all should be well now...if anyone sent e-mail to me, I would suggest it be re-sent...

Ed, WE6W, I hope you received my e-mail re the B&K 1460...my 'scope is the same one and I have the manual which I will copy...I'll need your snail mail address please...72 - Bruce (VE5RC+VE5QRP)- ps - that 'scope's good from DC to 10 mHz.

e-mail: rattray@gpfn.sk.ca

Date: Sun, 15 Mar 1998 13:44:02 -0600
From: launerb@crl.com (William H. Launer)
To: SSLYON@worldnet.att.net

Cc: qrp-1@Lehigh.EDU
Subject: [6067] Re: FOX LOG: 03-10-98 (V. 1.0)
Message-ID: <v01530500b131de81eb1f@[192.0.2.1]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Seab,

Thanks for the pelt. My inexperienced OHR-100A had only had one qso under its belt before it tasted fox blood. Now I don't know if I can control it on fox nights; it might start hunting without if I'm not careful! It was running 4 watts out to a 100 ft. end fed wire/100 ft. ungrounded counterpoise on the grass.

72/73, Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-1 #279 qrp arc1 #3551
Grid Square EM48RT

Date: Sun, 15 Mar 1998 14:36:38 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@Lehigh.EDU>
Subject: [6068] N/T Sprint
Message-ID: <Pine.SOL.3.91.980315143351.6257A-100000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Listening for N/T stations and not hearing much...worked W4ED on 21.110...no signals on 10 mtr or 40 mtrs...72 - Bruce(VE5RC)

Date: Sun, 15 Mar 1998 13:51:09 -0700
From: "James R. Duffey" <ji3m@maxwell.com>
To: qrp-1@Lehigh.EDU
Subject: [6069] PostScript Faux Pas

Message-ID: <v03007803b131efa20d90@[192.31.66.158]>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

John - Thanks for your comments. My cut and paste included some hidden text that did not show up until the message was posted on qrp-l. I think I inadvertently posted some html or RTF stuff when I cut and pasted. Paul-please forgive me. I have a new e-mailer and it knows more than I do.

What I posted as the offending first line was;

```
<fontfamily><param>Monaco</param><smaller>>  
<<fontfamily><<param>Times<</param><<bigger>".%! PS-Adobe-1.0: For  
Apple  
> LaserWriter<</bigger><</fontfamily>"</smaller></fontfamily>
```

which is, as you say, not good stuff to a PS printer. What I should have posted was just;

```
".%! PS-Adobe-1.0 For Apple LaserWriter"
```

The "." apparently was what prevented my printing, so I replaced the first line with;

```
"% PS-Adobe-1.0 For Apple LaserWriter"
```

and apparently I should have not deleted the !, making it;

```
"%! PS-Adobe-1.0 For Apple LaserWriter"
```

Now that I have incurred Chuck's wrath by exceeding the 1 post/per operatingsystem/printer quota. I humbly beg the group's forgiveness. I am still not sure that I have done this right, but I tried to avoid cutting and pasting from the origianl documents.

Anyway I don't know if the "." is in the original file, or if it is an artifact of my downloading it and looking at it in a text editor and word processor, or if it is in Chuck's original. But if some of you have a problem printing the PS file you might look for this as a solution if I have not confused you already by this time.

A little knowledge is dangerous thing, particularly if a user friendly interface is available.

Laura also commented on the proper beginning of a PS file, thanks.-
Duffey KK6MC/5

James R Duffey KK6MC/5 DM65

30 Casa Loma Road

Cedar Crest, NM 87008

Date: Sun, 15 Mar 1998 15:49:59 -0500
From: Ken Freedman <n1qqv@cshore.com>
To: qrp-1@Lehigh.EDU
Subject: [6070] K5FO Sighting
Message-ID: <3.0.32.19980315154825.0069e93c@cshore.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

No, not a UFO sighting! All of us attending the New England QRP meeting at League HQ this morning, were stunned into an awed and respectful silence when Chuck walked into the conference room. Chuck modestly insisted that we remain seated and hold our applause. He also said something about autographs, but I'm not sure exactly what it was.

It's always a kick to meet people that you've QSO'ed and exchanged e-mail with, and today was no exception. A nice array of projects and unusual gear was displayed on the huge table and I managed to get a look at the RF proof room that is Zack's (W1VT) lab. When I left, a bunch of the troops were busy putting W1AW/QRP on the air.

73, Ken

Ken Freedman
AKA N1QQV/QRP ARRL VE, QRP-L

Date: Sun, 15 Mar 1998 16:09:42
From: Roger Braker <msebrakr@telepath.com>
To: qrp-l@Lehigh.EDU
Subject: [6071] ugly weekender rx
Message-ID: <3.0.1.16.19980315160942.6a3766dc@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,
I have been having some problems getting my ugly weekender working. I also have some questions about mixer theory. On ther skiz, it shows that after the low pass filter and TR switch, the rx sig is supposed to pass through a large coil. When I bypass the whole lowpass filter, tr switch, choke ect, I get a reasonably loud signal. When I don't bypass that stuff, I hear almost nothing. Is there an explantion for this? Also, there is a very loud 60 hz hum coming from my RS 3 amp PS. How can I get rid of it?? Should I pass the supply voltage that does not go through the active decoupler through different decoupler anyway? Thanks for all the help.

73,
Arnold kd5ckh

Date: Sun, 15 Mar 1998 16:21:26 -0500
From: Michael Tracy <mtracy@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [6072] Re: Connector insertion loss
Message-ID: <350C4656.5B07B99E@arrl.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rod,
This is not comprehensive, but it may answer the questions you have. See:

<http://oak.oakland.edu/pub/hamradio/arrl/infoserv/techmisc/connect.txt>

Rod Logsdon wrote:

Does anyone know of a website that has a table of insertion losses for all the various types of coaxial connectors?

--

Best Regards, Michael Tracy, KC1SX, ARRL Laboratory Engineer

American Radio Relay League, Inc. Tel: 1-860-594-0200
225 Main Street Fax: 1-860-594-0259
Newington, CT 06111 Email: mtracy@arrl.org (internet)

Date: Sun, 15 Mar 1998 21:11:34 +0000
From: ea8yu Goran <rodriguez@jet.es>
To: qrp-l@Lehigh.EDU
Subject: [6073] Elmer101: European front end
Message-ID: <3.0.5.32.19980315211134.0083d5a0@jet.es>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looking at the schematic on Chucks web page (thanks to n2brt for the tip about the viewer) I wonder if the 40+ will be usable in Europe?

I never work 40 meters as my old TS520 cannot handle this band at nighttime - and the Canary Islands are not very centrally placed in Europe.

Perhaps using a very narrow filter around a suitable QRP frequency in the European part of the band (7.0 - 7.1 MHz) could make the rig good for use. Something like the Zack filter in QST 1991:12 or a series X-tal.

Could this be planned into the project?

Saludos
Goran

Date: Sun, 15 Mar 1998 16:35:52 EST
From: DENNIS MO <DENNISMO@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [6074] N/T+ Sprint
Message-ID: <804f6675.350c49ba@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hunters -

Two months ago I thought I'd be a fox for today's sprint but 2 weeks ago I upgraded to General and yesterday I passed my Advanced exam... So today I became the hunter instead of the fox - but.. Where is everyone..... ?
Nothing heard in Califlornia this afternoon. Still trying.....

gud luck guys and gals - lets find 'em if they're there!

72's de KF6NJQ/AA denny

Date: Sun, 15 Mar 1998 15:44:16 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@Lehigh.EDU>
Subject: [6075] N/T Sprint
Message-ID: <Pine.SOL.3.91.980315154158.8392A-1000000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Have been tuning from 7.105 to 7.115...nada...where are all the N/T stations?...72 - Bruce(VE5RC)

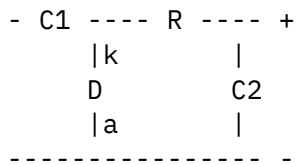
Date: Sun, 15 Mar 1998 15:55:19 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-1@Lehigh.EDU
Cc: leon@lfheller.demon.co.uk
Subject: [6076] RF probe voltage dependency
Message-ID: <3.0.3.32.19980315155519.006e9910@mol1sun.opthth.uiowa.edu>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi

i finally got around to building an RF probe, and have some questions about some observations i made. i used the circuit described on the list by Leon Heller, G1HSM, with the exception of using 4.0 MegOhm (had better accuracy with my DMM than 4.7 i tried first):

>>>>



C1 = 1n
C2 = 100n
R = 4M7
D = Ge diode (gold-bonded is best)
<<<<

i built it on a piece of silver plated pc board stock with 4 "islands" etched on it, 1/4" x 1" total. the capacitors were both SMD, the diode was a 1N34, and the 4.0 Meg resistor was made of a 2.4 and 1.6 Meg in series. The resistors and the diode were leaded parts mounted ugly. the "tip" is a relatively thick cut-off componant lead that i pulled from the carpet, and filed down. connection from the probe to the meter is through a 2 foot length of RG-174 type coax.

to test the probe, i set my heath function generator to a 3.0 MHz sine wave to it's 50 ohm impedance output. i measured the voltage on a tek 465 o-scope (recently calibrated) and then with the probe/DMM combination. the DMM manual states a 10 Meg ohm input impedance.

here are the observed voltage reading from the DMM and the calculated RMS value derived from the peak-peak voltage seen on scope, as well as the error: (DMM-Scope)/(scope) * 100%

DMM:RFProbe	Scope	Error
19.7 mv	---> 45 mv	-56%
73.9 mv	---> 113 mv	-34%
222 mv	---> 276 mv	-20%
445 mv	---> 513 mv	-13%
852 mv	---> 928 mv	- 8%
1.89 v	---> 2.01 v	- 6%

2.48 v ---> 2.51 v - 1%
4.67 v ---> 4.88 v - 4%
5.90 v ---> 6.27 v - 6%

i checked the scope measurements on both 1x and 10x probe settings and found no change, so loading doesn't seem to be a problem. i found no evidence of ac on the output.

the variation of the error with the voltage makes me think the problem is at the diode. my other thought is that there is some kind of voltage dependent leakage in one of the capacitors. i'd be real happy with a 10% accuracy, but the large errors down at the lower end seem unacceptable to me. any ideas?

```
=====
Adam B. Kanis, N2BRT      QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu     QRP ARCI : NorCal : QRP-L: G-QRP : CQC
    Straight Key : OHR-100 40m : Carolina Beam oriented N/S
** On the Web at      http://genome33.ped-gen.uiowa.edu/hamradio **
=====
```

Date: Sun, 15 Mar 1998 16:09:02 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Subject: [6077] RE: RF probe voltage dependency
Message-ID: <3.0.3.32.19980315160902.006dd814@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi,

thought i'd better post the absolute difference to show it isn't a fixed error of xmv.

DMM:RFProbe	Scope	Diff	Error
19.7 mv	---> 45 mv	-25 mv	-56%
73.9 mv	---> 113 mv	-39 mv	-34%
222 mv	---> 276 mv	-54 mv	-20%
445 mv	---> 513 mv	-68 mv	-13%
852 mv	---> 928 mv	-76 mv	- 8%
1.89 v	---> 2.01 v	-120mv	- 6%
2.48 v	---> 2.51 v	-30 mv	- 1%
4.67 v	---> 4.88 v	-210mv	- 4%

5.90 v ---> 6.27 v -370mv - 6%

adam, n2brt

=====
Adam B. Kanis
adam-kanis@uiowa.edu
=====

Date: Mon, 16 Mar 1998 01:18:29 +0000
From: pmk@juno.com (Patrick M Kvitkauskas)
To: qrp-l@Lehigh.EDU
Subject: [6078] EMI filter ???
Message-ID: <19980316.011830.3166.2.pmk@juno.com>

I was gutting out a old CATV modulator and noticed a EMI filter on the AC line and was wondering if I should leave it in ? I am using the enclosure for my poor man's spectrum analyzer. I haven't noticed them in some of the older modulators.

Should I leave it or not bother using it at all ?

72/73 de Patrick KD4OBQ

AR

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 15 Mar 1998 17:43:50 -0500 (EST)
From: kd4zkw <kd4zkw@amsat.org>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [6079] I hear 'em, but no copy ...
Message-ID: <Pine.LNX.3.95.980315174310.21288B-100000@danial.dialisdn.com>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I hear them out there, on 28.110, but too muc noise, so no copy.
sri.

| Curtis D. Levin kd4zkw | kd4zkw@amsat.org | QRP-L #1488 |
http://www.diaisdn.net/user/cdlevin

Date: Sun, 15 Mar 1998 14:35:27 -0800
From: "Wayne Barnhart" <wb7whi@triax.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [6080] question on pi networks
Message-ID: <199803152229.0AA14178@smtp.triax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello

Well got me a couple more questions that the books dont seem to specific
about this time concerning the pi output found on many transcievers.

This is a standard circuit description for reference. Begin with the input
resistance from the collector, R1. Then there is C1 to ground, L1 followed
by C2 to ground and finally R2 the load.

I understand the network is to accomplish two things. 1. Match the higher
input Z to the lower output Z of the antenna and 2. serve as a low pass
filter. Ok, now the questions.

Is the assumption correct that C1 and L1 serve as the low pass filter
(assuming $R1 > R2$)? If so then the stock 49er would seem to have a cutoff of
6.5mHz.

Is C2 doing the Z matching?

Also, even though I understand the math for determining components C1,C2
and L1 to serve as a matching device I have not see how the balancing act
comes in so that the network acts as both a Z match and a low pass filter.
What is the procedure for the design of a pi network as Q appears to be the

only variable you can selectively supply a value for.

Thanks

Wayne WB7WHI
Spokane, Wa.

Date: Sun, 15 Mar 1998 18:49:18 -0500
From: "Bob Edwards, W4ED" <w4ed@flash.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6081] W1AW/QRP
Message-ID: <350C68FE.AD224A80@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anybody heard W1AW/QRP, recently ?

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

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      /|
     / |
    /  | \
   /   |  \
  /_ | /____|__ \
 [ \-----/
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Date: Sun, 15 Mar 1998 17:19:28 -0600
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [6082] Solar Flux (133!) and Sprint
Message-ID: <199803152317.RAA32742@mail.dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello all,

Had a chance to make some noise for the Novice Sprint.

I couldn't raise anyone on 40 meters. I called W4ED and he didn't hear me. Neither did KB4MSU.

Here is the latest on the Solar Flux:

:Issued: 1998 Mar 15 2111 UT
Prepared by the U.S. Dept. of Commerce, NOAA, Space Environment Center.

Geophysical Alert Message

Solar-terrestrial indices for 15 March follow.
Solar flux 133 and estimated Boulder A-index 18.
The Boulder K-index at 2100 UT on 15 March was 1 (6 nT).

Solar-terrestrial conditions for the last 24 hours follow.
Solar activity was moderate.
The geomagnetic field was at quiet to minor storm levels.

The forecast for the next 24 hours follows.
Solar activity will be low to moderate.
The geomagnetic field will be quiet to active.

You can access this at <ftp://ftp.sel.noaa.gov/pub/latest/www.txt>

Kelly Ellison
WB0WQS
QRP-L #702

Date: Sun, 15 Mar 1998 16:29:09 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Rod Logsdon <bike4life@bikerider.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [6083] Re: Connector insertion loss
Message-ID: <Pine.SOL.3.91.980315162444.29542A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 15 Mar 1998, Rod Logsdon wrote:
> Does anyone know of a website that has a table of insertion losses for
> all the various types of coaxial connectors?

The general rule of the thumb is 0.5db to 1 dB loss per connector,
assuming a proper connection and operating within the design frequency.

Lousy connections, corroded pins, coax not properly terminated, etc. can raise this significantly.

Measuring insertion loss through some antenna tuners a while back, total insertion loss due to connectors was a bit less than 1dB, or 1/2dB per connector (PL-259's).

72, Paul NA5N

Date: Sun, 15 Mar 1998 18:36:06 -0800
From: mike czuhajewski <wa8mcq@abs.net>
To: QRP forum <qrp-1@Lehigh.EDU>
Cc: Mike Czuhajewski <wa8mcq@abs.net>
Subject: [6084] Idea Exchange disclaimer
Message-ID: <350C9016.29D1@abs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was surfing around the QRP sites today and noticed that the New England QRP Club website has an index category called "Idea Exchange". (There is apparently nothing under that area yet, since it cannot be clicked on.) I sent e-mail to someone up there about this when I first noticed it several weeks ago, but never received a response. Since the heading still remains on the web page, I must make a public disclaimer:

I currently write a column for the QRP Quarterly called Idea Exchange, and the NE QRP web page has no connection with that in any way. I took over the Idea Exchange column in early 1990, at which time the name had already been in use for some time by W3TS, the previous writer of the column. (This predates even the formation of the NE QRP Club as far as I know.)

If anyone has any inputs for the Idea Exchange column in the QRP Quarterly, be sure to send them to me and not through the NE QRP web page since they have nothing to do with the column.

In the meantime, I thought that the 10 page monster column I wrote once was as big as it would ever get. I was wrong! The April issue of the QRP Quarterly, which will be hitting the streets in a few weeks, contains 13 pages of the Idea Exchange! The issue itself has eighty-something pages, which exceeds even the unprecedented 72 pages in January! Since this will have a substantial impact on the bank balance, don't expect to see it every time!

I believe there will be a reader survey in this issue, asking for comments about going to first class mail, or offering it as an extra cost option, increasing prices, etc. There may be some hard choices to be made in the future, but me, I'd much rather wait a week or two extra for my copy to come and have it be really big than have it come three days after it's printed and be much thinner.

(BTW, I've always had a beef with Communications Quarterly--and they even printed my letter to the editor in the second issue years ago on the subject--since they still insist on using lots of wide open spaces on expensive paper, and have since Day One. I'd much rather get maximum technical content for my dollar rather than paying for speedy delivery or nice fancy layouts and sparking white paper.)

--

73 and Queue Our Pea de WA8MCQ wa8mcq@abs.net
President, QRP ARCI and writer for the QRP Quarterly

End of QRP-L Digest 1030

